

Spot and Seam Welding of Special Steels and Alloys (Cont.) Call Nr: TS 227 B29

COVERAGE: The book presents extensive information on the technology of spot and seam resistance welding. Welding machinery, equipment and measuring instruments are described and illustrated. Suggestions for adequate design of spot or seam welded frames and tight, thin sheet-metal structures from structural steels, heat resistant and non-ferrous alloys are given, and basic methods employed in quality control of welds are presented. Failures in weld joints, causes of defective welds and methods of their detection are discussed and illustrated. Special measuring and testing instruments employed for the set-up and adjustment of welding machines are described, and methods of eliminating operating trouble are suggested. There are 83 bibliographic references, 76 of which are Slavic, 6 English, 1 French. Personalities mentioned include: Akhun, A.I., Kochanovskiy, N.Ya., Gel'man, A.S., Grigor'yev, V.A., Maslov, G.A., Skakun, G.F., Poplavko, M.V.

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Bibliography. 425

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28(1) PHASE I BOOK EXPLOITATION 30V/2156
Sovetskaniye po kompleksoy mekhanizatsii i avtomatizatsii
tehnologicheskikh protsessov. 2nd, 1956.
Avtomatizatsiya mashinostroitel'nykh protsessov; izudy
sveticheniya, tom. 1: Goryachaya obrabotka metallor
(Automatization of Machine-Building Processes; Proceedings of the
Conference on Over-All Mechanization and Automation of Technol-
ogical Processes, Vol. 1: Hot Metal-Forming) Moscow, 1959. 394 p.
5,000 copies printed.
Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
Komsalsiya po tekhnologii mashinostroyeniya.
Resp. Ed.: V.I. Dikushin, Academician; Compiler: V.M. Rashtov:
Ed. of Publishing House: V.A. Motor; Tech. Ed.: I.P. Kus'min.
PURPOSE: The book is intended for mechanical engineers and
metallurgists.
COVERAGE: The transactions of the Second Conference on the Over-All
Mechanization and Automation of Industrial Processes,
book Vol. 1, 1956, have been published in three volumes. This
Working Vol. 1, contains articles under the general title, Hot
conducted by Metals. The investigations described in the book were
under the direction of the following scientists: casting -
F.M. Aksekov, D. V. Ivanov and G.M. Orlov; forming of Metals,
A.D. Tolstoy and V. V. Pescherin; welding - G.A. Nikol'skiy,
B.I. Prolov and G.A. Raslov. There are 183 references: 112
Soviet, 34 English, 6 German, and 1 French.

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21/4/59
9/15/59

18(5,7)

SOV/135-59-9-18/23

AUTHORS:

Balkovets, D. S., Doctor of Technical Sciences and
Lipovskiy, P. I., Engineer

TITLE:

Moscow Oblast Conference of Welders

PERIODICAL:

Svarochnoye proizvodstvo, 1959, Nr 9, pp 43-45 (USSR)

ABSTRACT:

The Oblast Conference of Welders was convened in Moscow from March 18-20. The results of scientific and production work in 1958 were discussed at this conference. The conference was convened by the Welding Section of MONITOMASH. More than 400 representatives of different organizations in Moscow and the Moscow oblast, as well as representatives from Leningrad, Chelyabinsk, Penza and other places participated in the conference. It was opened by the Corresponding Member of AS USSR N. N. Rykalin. 47 reports were heard and discussed at the conference. A. A. Vikhirev and S. S. Gudimenko spoke on welding problems in the Moscow area. N. A. Ol'shanskiy (MVTU) spoke on welding by electronic ray in vacuum and the same theme was discussed by N. N. Rykalin, A. A. Yerokhin, L. L. Silin and V. A. Kuznetsov (IMET). V. D.

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SOV/135-59-9-18/23

Moscow Oblast' Conference of Welders

Kodolov (IMET) spoke on arc and "electric slag" welding and I. D. Kulagin, and V. A. Nikolayev (IMET) discussed metal processing methods. This was also the theme of a report by K. V. Vasil'yev. The weldability of molybdenum was examined by A. I. Pugin and M. Kh. Shorshorov. A. S. Gel'man and M. P. Sandler (TsNIITMASH) discussed welding of large diameter pipes and R. I. Zakson and V. D. Voznesenskiy (NIITRAKTORSEL'KHOZMASH) examined automatic welding methods. Improved weld quality was the theme of N. M. Novozhilov and A. M. Sokolova (TsNIITMASH). V. N. Suslov (TsNIITMASH) reported on semi-automatic welding. K. V. Lyubavskiy, V. M. Nikitin and G. F. Murov (MVMI) spoke on automatic welding within CO₂ of pre-hardened devices of 30KhGSA steel. A. V. Petrov (NIAT) spoke on automatic welding of thin, heat resistant steel within argon. V. V. Kudinov (VNIIAVTOGEN) reported on a manual burner E3R-3-58 for argon welding. Ye. V. Vasil'yev spoke on a new electro-riveter. Automatic flux welding was the theme of N. P. Yemel'yanov and F. S. Tkachenko (TsNIIMPS), as well as of M. I. Sorokina (MVMI), B. N.

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Moscow Oblast' Conference of Welders

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Bad'yanov and G. F. Chepelyugin. V. G. Shlyapin (TsNIIMPS) spoke on the flux surfacing process and V. A. Lapidus (TsNIITMASH) discussed the discovery of new qualitative and highly productive electrodes, as did A. A. Yerokhin and O. M. Kuznetsov (IMET), V. S. Stroyev and I. N. Vornovitskiy, Z. G. Chomova (NIAT) and N. A. Tarkhov. M. M. Kraychik spoke on determining the tenacity of welded seams, and A. I. Pugachev (VIAM), P. L. Chuloshnikov and N. Kh. Andreyev (NIAT) discussed improved point and seam welding. V. A. Vinokurov (MVTU) and V. O. Osipov (MIIT) reported on research into point welding. V. V. Belov and M. Kh. Shorshorov (IMET) spoke on the formation of cold cracks resulting from arc welding. I. N. Gerasimenko discussed the structure and qualities of welding units with dual layer steel 12MX+EI496 (08X12). Finally, N. O. Okerblom reported on recent work of members of the welding section of LONITOMASH.

Card 3/3

GEL'MAN, Aleksandr Samuilovich, doktor tekhn. nauk, prof.; BALKOVETS, D.S.,
doktor tekhn. nauk, red.; ALOV, A.A., doktor tekhn. nauk, prof.,
retsensent; SOBOLEVA, G.N., red. izd-va; CHERNOVA, Z.I., tekhn.
red.

[Technology and equipment for resistance welding] Tekhnologiya i oboru-
dovanie kontaktnoi elektrosvarki. Moskva, Gos. nauchno-tekhn. izd-vo
mashinostroit. lit-ry, 1960. 367 p. (MIRA 14:7)
(Electric welding—Equipment and supplies)

BALKOVETS, D.S., doktor tekhn. nauk, red.; POPLAVKO, M.V., kand. tekhn.
nauk, red.; KITAYEV, A.M., kand. tekhn. nauk, red.; BELITSKAYA,
A.M., red. izd-va; NOVIK, A.Ya., tekhn. red.

[Welding of nonferrous metals and alloys] Svarka tsvetnykh metallov i
splavov; sbornik statei. Moskva, Gos.nauchno-tekhn.izd-vo Oborongiz,
1961. 159 p. (MIRA 14:12)

(Welding)

44024

S/860/61/000/000/020/020
A006/A101

1 2300
AUTHORS:

Balkovets, D. S., Obidin, V. A., Orlov, B. D., Chuloshnikov, P. L.

TITLE:

A device for measuring the effective values of welding current on
a-c resistance welding machines

SOURCE:

Sbornik izobreteniy; svarochnaya tekhnika. Kom. po delam izobr. i
otkrytiy. Moscow, Tsentr. byuro tekhn. inform., 1961, 199 - 200
(Authors' Certificate no. 107960, cl. 21h, 36, no. 455297 of
January 31, 1955)

TEXT:

In the described device the effective welding current values are
measured by the alternating and synchronous supply of rectified voltage pulses
to a galvanometer. The pulses are proportional to the welding current values.
The voltage of rectified pulses is compared with the pulses from the standard
power source. Thus it is possible to measure the welding current values at dif-
ferent-shaped current curves and different pulse durations. The measurements
are made at a constant position of the galvanometer needle in the center of the
scale; the magnitude of the welding current is determined from the position of

C. Card 1/2

33552

S/135/62/000/002/008/010

A006/A101

1.2300 1573

AUTHORS: Balkovets, D. S. Doctor of Technical Sciences, Kaganov, L. N.,
Khudyshev, A. F., Engineers

TITLE: The effect of the welding-speed on ductility of weld joints in some
refractory alloys

PERIODICAL: Svarochnoye proizvodstvo, no. 2, 1962, 31-32

TEXT: It was assumed that ductility of weld joints could be raised by
eliminating brittle structure components at grain boundaries, with the aid of
high speed welding, predetermining least values of linear energy and a short-
term effect of the thermal cycle. To check this assumption, weld joints were
produced by roller and electron-beam welding. Molybdenum alloy plates, 1 + 1 mm
thick, containing about 0.25% Zr and 0.25% Ti, were roller welded at 36 m/hour,
0.16 sec pulse duration, and 0.44 sec time interval between the pulses. Specimens
so welded could be bent up to 180°. This high ductility is explained by
the short-time effect of the thermal-cycle. The effect of the welding speed
was tested on 0.5 and 1 mm thick plates, electron-beam welded at various speeds.
At 9 m/hr welding speed the bend angle was close to zero at room test temperature;

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33552

S/135/62/000/002/008/010

A006/A101

The effect of the welding-speed ...

at 63 m/h it was 40° at room temperature, and 70 - 73° at 80°C. Electron-beam welding was also performed with a tungsten arc in an argon-blast chamber. Plates 0.5 mm thick, were welded at 225 and 370 m/h. The bend angles were 180° at 80 - 90°C temperatures. The favorable effect of high welding speeds was also revealed in argon arc welding of low-alloy niobium base alloys containing about 4% molybdenum. The tests have shown that high-speed welding under the aforementioned conditions raised considerably the ductility of welds in refractory niobium- and molybdenum-base alloys. This should be taken into account when developing equipment for welding refractory alloys. There are 5 figures and 1 table. X

Card 2/2

BALKOVETS, D.S., doktor, tekhn. nauk; KAGANOV, L.N., inzh.

Some characteristics in the welding of niobium and its alloys.

Svar. proizv. no. 10:10-12 0 '63.

(MIRA 16:11)

BARAN, Jan; BALKOVICOVA, Marta

Geophysical survey of Slovakia. Geol pruzkum 5 no.4:125-126
Ap '63.

12/11/1958
KOROID, O.S.; BALKOVII, P.M. [Balkovyi, P.M.]

Literature dedicated to the 40th anniversary of the Great October.
Visnyk AN URSR 29 no.1:72-77 Ja '58. (MIRA 11:4)
(Ukraine--History)

BALKOVOY, A.Ye.

Development of the prominence of August 5, 1951. Izv.Krym.
astrofiz.obser. 16:100-103 '56. (MIRA 13:4)
(Sun--Prominences)

BAIKOVY, A.Ye.

Eruptive prominence of September 24, 1956. Izv. Kryn. astrofiz.
obser. 18:157-161 '58. (MIRA 13:4)
(Sun--Prominences)

BALKOVSKAYA, N. A.

USSR / Human and Animal Physiology. Nervous System.
Higher Nervous Activity. Behavior.

T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102270.

Author : Balkovskaya, N. A.

Inst : Not given.

Title : Vestibulo-Vascular Reflexes Under Normal Condi-
tions and in Meniere's Disease.

Orig Pub: Vestn. oto-rino-laringologii, 1957, No 6, 18-24.

Abstract: The rotation of a normal test subject in an arm-
chair with a velocity of 6-12° per sec. induced
alternate reaction of constriction and dilatation
of vessels. In individuals with Meniere's disease,
the reactions were frequently stronger and longer,
particularly shortly after seizures. The reac-
tions were more marked in rotation in the direc-

Card 1/2

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USSR / Human and Animal Physiology. Nervous System. T
Higher Nervous Activity. Behavior.

Ass Jour: Ref Zhur-Biol., No 22, 1958, 102270.

Abstract: tion of the more affected ear, even in those cases when differences were not found in a determination of the sensory thresholds of the vestibular analyzer. Conditioned reflexes, in a combination of a bell with the rotation, arose normally at the 10th-15th combination, but were unstable. In a grave state of Meniere's disease, the production was delayed, which evidences the inhibitive state of the cortex. -- O. S. Vinogradova.

Card 2/2

BILKOVSKAYA, N.A., Cand Med Sci—(disc) "On the problem of ^{the} pathogenesis, diagnosis, and treatment of Meunier's disease." Len, 1958. 14 pp
(From the Chair of Ear, Nose, and Throat Diseases of the First Leningrad Med Inst in Acad I.P. Pavlov and the Inst of Physiology in Acad I.P. Pavlov, Acad Sci USSR), 200 copies (K1,22-50,113)

-156

BALKOVSKAYA, N.I.

104

4

The evaluation of the method of V. G. Lutskii for distinguishing raw water from boiled water. N. I. Balkovskaya. *Lab. Prakt.* (U. S. S. R.) 1939, No. 1, 23 A. B. concludes that the method [*Lab. Prakt.* (U. S. S. R.) 1937, No. 8] is not practical in its original form. The results obtained by it were entirely unsatisfactory. The method should be further investigated and improved.

W. R. Henn

BY N. I. A. METALLURGICAL LITERATURE CLASSIFICATION

BALLA, F.; GYONOS, K.; KEVEINE

Periodical article reviews. Elelm ipar 13 no.8:268 Ag '59.

BALLA, F., dr.

On the 9th Session of the Permanent Committee on the Light
and Food Industries at the Council for Economic Mutual Assistance.
Elelm ipar 17 no.3:99 Mr '63.

BALLA, F.; KISEL, M. [Kiszel, M.]

Role of new technology and food recipes in planning for
vitamin C supply for the population. Vop. pit. 21 no. 5:46-49
N-D '62. (MIRA 17:5)

1. Iz Nauchno-issledovatel'skogo instituta konservnoy promyshlennosti
Budapesht, Vengriya.

Handwritten text (Russian):

1. Neutralization of beet molasses before drying with superheated steam. G. S. Brinin and P. E. Nauch. Nauch. Zapiski Sakharnoi Prom. 12, Tekh. Ser. No. 1/2, 29-35 (1935).—Neutralization of beet molasses to pH 7.7 or 7.4 previous to drying with superheated steam decreased the sugar losses in molasses to 0.80-0.16%, resp.

2. Sulfitation and application of Norit. G. S. Brinin and P. E. Balla. Nauch. Zapiski Sakharnoi Prom. 12, Tekh. Ser. No. 5-6, 330-7 (1935).—B. and B. tried several schemes. The best results (41.4-48.2% color removal) were obtained by sulfitation of second carbonation juices with further treatment of juices with 0.5% Norit.

Printed label (Metallurgical Literature Classification):

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

Handwritten notes on the left margin:

1. BALLA, E. E.

2. 2

13ALLA, F. E.

CP

Moisture stability of beet cossettes. G. S. Renin and F. E. Balla. *Nauch. Zapiski Sakharnoi Prom., Tech. Ser.*, 13, 178-84(1936).—A study was made of the equil. of moisture in beet cossettes in air of relative humidity, varying from 10 to 100%. The size of the cosettes has an effect upon the moisture equil. only when the relative humidity of the air is higher than 75%. Tables and graphs are given. V. E. Baikow

Determination of the optimum reaction of water in the diffusion battery. G. S. Renin and F. E. Balla. *Nauch. Zapiski Sakharnoi Prom., Tech. Ser.*, 13, 312-10(1936).—Beets of different qualities require pressure water on the diffusion battery of different p_a values. Variation from the optimum reaction causes an increase of pectin substances, especially when the water is alk. Water contg. NH_3 has a bad effect upon diffusion juices. The water for the diffusion battery must have p_a not higher than 7.0. V. E. Baikow

ASS-15A METALLURGICAL LITERATURE CLASSIFICATION

150001 150010 150020 150030 150040 150050 150060 150070 150080 150090 150100 150110 150120 150130 150140 150150 150160 150170 150180 150190 150200 150210 150220 150230 150240 150250 150260 150270 150280 150290 150300 150310 150320 150330 150340 150350 150360 150370 150380 150390 150400 150410 150420 150430 150440 150450 150460 150470 150480 150490 150500 150510 150520 150530 150540 150550 150560 150570 150580 150590 150600 150610 150620 150630 150640 150650 150660 150670 150680 150690 150700 150710 150720 150730 150740 150750 150760 150770 150780 150790 150800 150810 150820 150830 150840 150850 150860 150870 150880 150890 150900 150910 150920 150930 150940 150950 150960 150970 150980 150990 151000 151010 151020 151030 151040 151050 151060 151070 151080 151090 151100 151110 151120 151130 151140 151150 151160 151170 151180 151190 151200 151210 151220 151230 151240 151250 151260 151270 151280 151290 151300 151310 151320 151330 151340 151350 151360 151370 151380 151390 151400 151410 151420 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ALL AND AM. ENCL.																									
PROCESSES AND PROPERTIES INDEX																									
BALLA, F. E. <i>ca</i> Purifying sugar juice. F. E. Balla. Russ. 57,422, July 31, 1940. During satn. lime is continuously added at such a rate that the alkalinity remains during the entire process at the isoelec. point. The second defecation and satn. is then carried out in the usual manner.																									
ASAC-35.4 METEOROLOGICAL LITERATURE CLASSIFICATION GROUP: MAY ONLY ONE CLASSIFICATION GROUP: MAY ONLY ONE																									

BALLA, Ferenc
CA

28

New working methods and new ways in sugar milling.
Ferenc Balla. *Ársopendatig és Ipar 2*, No. 6, 1-7(1948)
Summary of new developments. István Fényi

ASH-LEA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Balla, Ferenc

HUNGARY/Chemical Technology - Chemical Products and Their
Application - Carbohydrates and Refinement.

H-26

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 9487

Author : Balla Ferenc

Inst :

Title : Carbon Black Content of Dried Bagasse.

Orig Pub : Cukoripar, 1956, 9, No 6, 125-126

Abstract : On the basis of the arsenic content of Hungarian charcoal it is possible to determine the amount of arsenic introduced into the product with the carbon black. The carbon black content (x) is determined in accordance with the formula: $x = s(c - a) / (b - a)$, wherein s is the solids content of bagasse, c -- ash content of dry bagasse per 100 g solids, a -- ash content of freshly pressed bagasse, b -- ash content of carbon black.

Card 1/1

BALLA, F.

Making a paste from a tomato-like sweet pepper at canning factories in Hungary. Kons.i ov.prom. 12 no.8:11-13 Ag '57. (MLRA 10:10)

1. Issledovatel'skiy institut konservnoy, myasnoy i khologil'noy promyshlennosti v Budapeshte.
(Hungary--Pepper--Preservation)

BALLA, Ferenc

"Capacity increase of evaporating devices" by V.N. Shchegolev
[Shchegolev, V.N.]. Reviewed by Ferenc Balla. Cukor 11 no.3:
83-84 Mr.'58

BALLA, Ferenc

"Sugar factory planning in the Soviet Union" by M.G.Merpert.
Reviewed by Ferenc Balla. Cukor 11 no.4:107-108 Ap'58

BALLA, Ferenc

"Viscosity nomogram of sugar solutions and molasses" by P.M. Szilin [Silin, P.M.]. Reviewed by Ferenc Balla. Cukor 11 no.6: 166-167 Je'58

"Effect of hydrogen-ion concentration on the peptization of pectins" by K.D. Zsura [Zhura, K.D.]. Reviewed by Ferenc Balla. Ibid.:167

BALLA, Ferenc

Basic principles of canned food manufacture for infants to
be established in Hungary. Elelm ipar 12 no.6/7:193-197 Je-Jl
'58.

1. Konzerv-, Hus- es Hutoipari Kutato Intezet, Budapest.

BALLA, F.

"Development of our paprika-concentrate production in the interest of the public supply." p. 94

ELELMEZESPI IPAR (Mesogazdasgi es Elelmiszeripari Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 13, No. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

KEVEINE; BALLA, F.

Periodical article reviews. Elelm ipar 13 no.6:3 of cover
Je '59.

BALLA, Ferenc

Decomposition of vitamin C and its prevention in food production
with special regard to the new methods of preservation.
Elsőm írás 13 no.8:245-250 Ag '59.

1. Konzerv- és Paprikaipari Kutató Intézet.

BALLA, F.

New types of Hungarian canned food rich in vitamin C.
Kons. i ov. prom. 14 no.7:30-32 JI '59. (MIRA 12:9)

1.Issledovatel'skiy institut konservnoy, myasnoy i kholodil'noy
promyshlennosti v Budapeshte.
(Hungary—Food, Canned) (Ascorbic acid)

BALLA, Ferenc

Decomposition of vitamin C and the prevention of it during the production of foodstuffs with special reference to the new methods of prevention. Pt.1. Elelm ipar 13 no.8:245-250 Ag '59.

1. Konzerv- es Paprikaipari Kutato Intezet.

BALLA, Ferenc (Budapest II. Herman Otto ut 15.)

Decomposition of vitamin C and inhibition of its decomposition in the preparation of foodstuffs. I. Role of oxygen in the changes of the content of vitamin C of foodstuffs during storage and the investigation of the processes reducing the effect of oxygen.
Acta chimica Hung 21 no.4:363-373 '59. (KEAI 9:6)

1. Research Institute of Preserving and refrigerating Industry,
Budapest.

(Ascorbic acid) (Food) (Oxygen)

BALLA, F.

Canned sweet potatoes for children. Kens. 1 ov. prom. 14 no. 8:42
Ag '59. (MIRA 12:9)

1. Issledovatel'skiy institut konservnoy, myasnoy i khole-
dil'noy promyshlennosti v Budapeshte.
(Sweet potatoes--Preservation)
(Infants--Nutrition)

BALLA, Ferenc

Technical-scientific cooperation among the Council for Economic Mutual Assistance countries. Cukor 13 no. 10:286-287 0 '60.

BALLA, Ferenc

Decomposition of vitamin C and the prevention of it during the production of foodstuffs with special reference to the new methods of prevention. Pt.2. Elelm ipar 14 no.1:1-8 Ja '60.

1. Konzerv- es Paprikaipari Kutato Intezet.

BALLA, F.

Review of periodicals. Elslm ipar 14:3 of cover 5 My '60.

BALLA, Ferenc; KISZEL, Jozsefne, Dr.

Decomposition of vitamin C and the prevention of it during the production of foodstuffs with special reference to the new methods of preservation. Pt. 3. Elelm ipar 14 no. 4: 100-107 Ap '60.

1. Konzerv- es Paprikaipari Kutatointezet.

FONYO, Istvan; BALLA, Ferenc; VUKOV, Konstantin; KISS, Jeno

Cooperation in the field of scientific research between the
states of the Council for Mutual Economic Assistance. Elm
ipar 14 no.2:33-36 F '60.

1. Elelmesesugyi Minissterium (for Fonyo). 2. Konzerv- es
Paprikaipari Kutato Intezet (for Balla). 3. Cukoripari Kutato
Intezet (for Vukov). 4. Orszagos Tervhivatal (for Kiss).

BALLA, Ferenc

News of the scientific and technical cooperation of the Council
of Mutual Economic Assistance; research results of the
Czechoslovak food industry. Elelm ipar no.10:318 0 '60.

BALLA, Ferenc

"Production of vitamins" by L.O.Snajdman. Reviewed by Ferenc Balla. Elelm ipar 14 no.1:8 Ja '60.

BALLA, F.

New types of canned foods rich in vitamin C. Vop. pit. 19 no.2:
60-62 Mr-Ap '60. (MIRA 14:7)

1. Iz Nauchno-issledovatel'skogo instituta konservnoy i kholodil'noy
promyshlennosti, Budapesht.
(FOOD, CANNED) (ASCORBIC ACID)

BALLA, Ferenc, dr. (Praha-Krc, Jeremenkova 1052)

Decomposition of vitamin C and inhibition of its decomposition in the preparation of foodstuffs. II. Effect of heating on the change of content of vitamin C in food products during processing, preservation and storage, and investigation of the methods for suppressing this effect. Acta chimica Hung 24 no.4:421-435 '60. (EEAI 10:4)

1. Research Institute of Preserving and Paprika Industry, Budapest.
(Ascorbic acid) (Decomposition) (Food)

BALLA, Ferenc, dr. (Praha-Krc, Jeremenkova 1052); KISZEL, M. (Mrs) (Budapest
II Herman Otto ut 15)

Decomposition of vitamin C and inhibition of its decomposition in the
preparation of foodstuffs. III. Effect of ionizing radiation on the
content of vitamin C in foods. Acta chimica Hung 24 no.4:437-450
'60. (EEAI 10:4)

1. Research Institut of Preserving and Paprika Industry, Budapest.
(Ascorbic acid) (Decomposition) (Food) (Gamma rays)
(Ultraviolet rays)

BALLA, F.

Effect of ionizing and ultraviolet rays on the vitamin C content
in some fruit and vegetable products. Kons.i ov.prom. 16
no.3:37-39 Mr '61. (MIRA 14:3)

1. Sekretariat Postoyynoy komissii Soveta ekonomicheskoy
vzaimopomoshchi v oblasti legkoy i pishchevoy promyshlennosti,
Praga.

(Ascorbic acid) (Food) (Radiation)

BALLA, Ferenc, dr.

Plan for setting up international research groups for solving canned industry problems. Kenezerv paprika no.4:136-137 J1-Ag '62.

BALLA, Ferenc, dr. (Prague, Czechoslovakia)

New canned industry machines put into the operation in the Council for Mutual Economic Assistance countries. Konzerv paprika no.5:174-176 S-O '62.

BALLA, Ferenc, dr.

Recently finished and applied scientific research works in the
canning industry. Konzerv paprika no.6:215-3 of cover N-D
'62.

1. ^{Czinn}KGST titkarsag, Praga.

BALLA, Ferenc, dr. (Praha, Czechoslovakia)

Newer experiences with the Cuban unrefined sugar. Cukor 15 no.3:
78-81 Mr '62.

BALLA, Ferenc, Dr.

Combining sugar factories with other industrial plants in socialist countries. Elelm ipar 16 no.2:64-3 of cover F '62.

1. ^{C&MA} KGST Konnyu- es Elelmiszeripari Allando Bizottsaga Titkarsaga, Praga

BALLA, Ferenc, dr.

Achievements of the work of the Council for Economic Mutual Assistance in the field of the food industry. Elelm ipar 16 no.3:78-79 Mr '62.

1. Kolosonos Gazdasagi Segitsegi Tanacsai Konnyu- es Elelmiszer- ipari Allando Bizottsaga Titkarsaga, Prague, Czechoslovakia.

BALLA, Ferenc; KISZEL, Jozsefne

Preserved foodstuffs rich in C-vitamin in the service of fulfilling prospective alimentation norms; recent experiments of preserving the C-vitamin content of canned foods. Elelm ipar 16 no.4:107-115 Ap '62.

CENR

1. KGSf Konny- es Elelmiszeripari Titkarsaga, Praga (for Balla).
2. Konzerv- es Paprikaipari Kutatointezet (for Kiszal).

BALLA, Ferenc, dr.

Questions relating to the international division of labor
among the socialist countries with special regard to the food
industry. ~~CPMA~~ Elelm ipar 16 no.6:183-187 Je '62.

1. Kolesonos Gazdasagi Seitseg Tanacsa Konnyu- es Elelmiszeripari
Allando Titkarsaga, Prague, Czechoslovakia.

BALLA, F.; KHAVASH, M. [Gavas, M.]

Use of dried fruit for the production of canned stewed fruits in Hungary. Kons.i ov.prom. 17 no.9:39-40 S '62. (MIRA 15:8)

1. Sekretariat Postoyannoy Komissii Soveta ekonomicheskoy vzaimopomoshchi po legkoy i pishchevoy promyshlennosti, Praga (for Balla). 2. Nauchno-issledovatel'skiy institut konservnoy i pertsovoy promyshlennosti, Budapesht (for Khavash).
(Hungary--Fruit, Canned)

BALLA, Ferenc, dr.

Coordinating the long-range plans for the sugar industry of socialist countries. Cukor 16 no.3:82-83 Mr '63.

BALLA, Ferenc, dr.

Report on the work of the 10th session of the Permanent
Committee of the Light and Food Industries, Council for Mutual
Economic Assistance. Elelm ipar 17 no.6:203 Ja '63.

BALLA, F. [Balla Ferenc], dr. (Praha-Krc, Jeremenkova 1052, CSSR);
KISEL, M. [Kiszel-Richter, Margit], dr. (Budapest, II. Herman
Otto ut 15)

Decomposition of vitamin C and inhibition of its decomposition
in manufacturing food products. V-VII. Acta chimica Hung 35
no.1:119-136 '63.

1. Issledovatel'skiy Institut Konservnoy i Pryanoperechnoy
Promyshlennosti, Budapesht.

BALLA, Ferenc, dr.

Role of new conservation methods in manufacturing foods containing natural vitamin C. Konzerv parika no. 6:212-215 N-D '63.

BALLA, Ferenc, dr.

Labor productivity increase in the sugar industry. Cukor 16
no.8:229-231 Ag '63.

DALLA, Ferenc, dr.

International coordination of the long-range plans of the
canning industry in socialist countries. Konzerv paprika no.4:
145-146 JI-Ag '63.

BALLA, Ferenc, dr.

Significant anniversaries. Cukor 16 no.9:249-250 S '63.

BALLA, Ferenc, dr.

Ideas on the comparison of the efficiency of investments to be planned for socialist countries. Elelm ipar 16 no.11:348-350 N '62.

1. Kolosonos Gazdasagi Segelynyujtasi Tanacs Konnyu- es Elelmiszeripari Allando Bizottsag titkarsaga, Praga.

BALLA, Ferenc, dr.

Method for studying food consumption. Elelm ipar 17 no.12:
389-390 D '63.

1. Kolosonos Gazdasagi Segelynyujtasi Tanacs Konnyu- es
Elelmiszeripari Allando Bizottsag Titkarsaga, Praga.

BALLA, GY.

Geomorphology of the loess ridge at Monor-Cegledbercel. p. 27.

FOLDRAJZI ERTESITO. (Magyar Tudományos Akadémia. Foldrajztudományi Kutatócsoport)
Budapest, Hungary. Vol. 8, no. 1, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959
uncla.

1ST AND 2ND ORDER		PROCESSING AND PROPERTY INDEX	
BALLA, G.F. CA		Smelting vanadium pig iron. G. F. Balla. <i>Steel</i> 6, 71-5 (1940).—Pig iron contg. V is produced in blast furnaces directly from titanomagnetite ore. The ores contain a relatively high quantity of V and Ti and insignificant quantities of P and S. In addn. to the ore, to the charge are added small quantities of a V agglomerate, a waste product of the chem. industry contg. V₂O₅ 2.01, Cr₂O₃ 5.00, and TiO₂ 3.10%; turnings contg. 0.2-2.5% of Cr; secondary open-hearth and Bessemer slags contg. V₂O₅ 1.70-3.08, Cr₂O₃ 1.71-1.92, and TiO₂ 0.50-1.60%. The ore contains V₂O₅ 0.47-0.60, Cr₂O₃ 0.11-0.46, and TiO₂ 3.20-11.50%. To keep the V in the metal, the SiO₂ + Al₂O₃ in the slag should be 40-80%. If the slag contains MgO 6-9%, the quantity of SiO₂ + Al₂O₃ can be somewhat higher. For smooth running, there should be 1.25-1.35 tons of slag per ton of pig, and the TiO₂ in the slag should not exceed 12-10%. As the acidity of the slag increases, the loss of V in the slag rises. The losses of V also increase with the quantity of slag. Higher temps. in the reduction zone favor the passage of V into the metal. However, excessively high temps. promote the formation of volatile V compds. and consequent loss of V. M. Hirsch	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION		1940-1949	
1940-1949		1940-1949	

ZHEREBIN, Boris Nikolayevich; MINKIN, Valentin Mikhaylovich; MATUSEVICH, Leonid Yakovlevich; GUR'YANOV, Vasilii Grigor'yevich; MARKHASIN, Yuriy Abramovich; SHTYREV, Dmitriy Alekseyevich; BALLA, G.F., red.; SOKOLOVSKIY, V.A., red.; DOKUKINA, Ye.V., red. izd-va; DOBUZHIN-SKAYA, L.V., tekhn. red.

[Expansion of blast furnace production at the Kuznets Metallurgical Combine] Razvitie domennogo proizvodstva na Kuznetskom metallurgicheskom kombinat. Pod obshchey red. B.N.Zherebina. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 361 p. (MIRA 14:6)
(Stalinsk—Blast furnaces)

SARKADI, J.; GYORFFY, B.; BALLA, H.

Effect of fertilization systems excluding farmyard manures
on the Hungarian chernozem soils. Agrochem talajtan 13
Suppl.:129-138 My '64.

1. Research Institute of Soil Science and Agricultural
Chemistry of the Hungarian Academy of Sciences, Budapest.

[illegible]

DALLA, I.

"Certain problems of developing heavy-current machinery" p. 129; "Zipernowsky Prize winners in 1953" p. 130, (ELEKTROTECHNIKA, Vol 46, no. 5, May 1953, Budapest, Hungary)

EO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

BALLA, I.

"3d Congress of our Party and further work of the Hungarian Society of Electrical Engineering." Elektrotechnika, Budapest, Vol. 47, No. 7, July 1954, p. 193.

SO: Eastern European Accessions list, Vol. 3, No. 11, Nov. 1954, L.C.

ACCESSION NR: APOC14-113

SI 00021/64 1000/006/0329/0333

AUTHOR: Balla, Y. (Doctor)

TITLE: Forestier's disease with dysphagia

SOURCE: Magyar radiologia, no. 6, 1966, 196-197

TOPIC TAGS: bone disease

ABSTRACT: (Author's English summary modified) The disease of the vertebral column which was differentiated from spondylosis by Forestier and Forss in 1960 and was termed 'hyperostosis ankylosante vertebrae' is described. Three observed cases, which were accompanied by dysphagia, are discussed along with the theories concerning dysphagia and the differential diagnostic possibilities. (orig. art. has 4 figures.)

ABSTRACTOR: Orszagos Orvostovábbképzési és Szakorvosegyetemesi Intézetek
(Department of Radiology, National Institute of Postgraduate Medical Education)

BALLO, I., inz. CSo.

Third Conference on Nonlinear Oscillation. Stroj cas 15
no.6:570-572 '64.

BALLO, Igor, inz.

"Vibration of Elastic Bodies" by J. Gonda. Reviewed by Igor Ballo.
Stroj cas 12 no.5:317-318 '61.

(Elastic solids) (Vibration) (Gonda, Jan)

BALJA, Ildiko, dr.; FRIND, Iasslo, dr.

Contribution to the pathogenesis of Charcot's joint. Magy.
radiol. 11 no.4:249-253 N '59.

1. Tetenyi uti Korhas (igazgato: Zellner Pal dr.) Rontgen-
osztalyanak (foorvos: Deak Pal dr.) kozlemenye.
(JOINTS dis)

BALLA, Imre, dr.; PETER, Zoltan, dr.

Case of a cervico-laqueatic or cervico-vaginal fistula. Magy.
noorv. lap. 19 no.4:255-256 July 56.

1. Miskolc Varosi Tanacs Koshaza (Igazgato: Foldesi, Jozsef, dr.)
Szulessetnogyaszati osztalyanak (Foorvos: Balla, Imre, dr.)
koziemenye.

(CERVIX, UTERINE, fistula
cervicovaginal, case report (Hun))

BALLA, Imre, dr.

6500 gram giant infant. Magy. noorv. lap. 20 no.1:62-63
Feb 57.

1. Miskolc Varosi Tanacs Korbaza (igazgato: Foldesi, Jozsef.
dr.) Szuleszeti es Nagygyaszati osztalyanak (foorvos: Balla, Imre,
dr.) kozlemenye.

(INFANT, NEWBORN

giant inf. weighing 6500 grams (Hun))

BALLA, Janos

Activists of territorial commissions. Munka 5 no.9:53-54 S '55.

1. Epitok Budapesti Bizottsaga elnoka.

HALASZ, Istvan (Veresegyhaza); GEREI, Mihaly (Budapest); VALKO, Istvan
(Budapest); BALLA, Janos (Debrecen); KOVACS, Tibor (Budapest)

Forum of the innovators. Ujit lap 15 no.3:30 10 F '63.

EALLA, Janos

Generation of low temperatures through the liquefaction of permanent gases. Fiz szemle 14 no.8:235-242 Ag'64

1. Solid Physics Laboratory, Central Research Institute of Physics, Hungarian Academy of Sciences, Budapest.

1. The first part of the report is a summary of the work done during the past year. It is a brief, concise statement of the results of the work, and is intended to be read by those who are not directly involved in the work. It is a summary of the work done during the past year, and is intended to be read by those who are not directly involved in the work.

2. The second part of the report is a detailed description of the work done during the past year. It is a detailed description of the work done during the past year, and is intended to be read by those who are directly involved in the work. It is a detailed description of the work done during the past year, and is intended to be read by those who are directly involved in the work.

3. The third part of the report is a list of references. It is a list of references, and is intended to be read by those who are directly involved in the work. It is a list of references, and is intended to be read by those who are directly involved in the work.

4. The fourth part of the report is a list of figures. It is a list of figures, and is intended to be read by those who are directly involved in the work. It is a list of figures, and is intended to be read by those who are directly involved in the work.

5. The fifth part of the report is a list of tables. It is a list of tables, and is intended to be read by those who are directly involved in the work. It is a list of tables, and is intended to be read by those who are directly involved in the work.

6. The sixth part of the report is a list of appendices. It is a list of appendices, and is intended to be read by those who are directly involved in the work. It is a list of appendices, and is intended to be read by those who are directly involved in the work.

7. The seventh part of the report is a list of references. It is a list of references, and is intended to be read by those who are directly involved in the work. It is a list of references, and is intended to be read by those who are directly involved in the work.

8. The eighth part of the report is a list of figures. It is a list of figures, and is intended to be read by those who are directly involved in the work. It is a list of figures, and is intended to be read by those who are directly involved in the work.

9. The ninth part of the report is a list of tables. It is a list of tables, and is intended to be read by those who are directly involved in the work. It is a list of tables, and is intended to be read by those who are directly involved in the work.

10. The tenth part of the report is a list of appendices. It is a list of appendices, and is intended to be read by those who are directly involved in the work. It is a list of appendices, and is intended to be read by those who are directly involved in the work.

1. Corn. Orig. art. has 14 figures and 1 table.

1. Corn.

BALLA, Istvan 11E

Factors influencing fat content of cow milk. István Balla (Medial Hon. School, Kassa, Hungary). *Mezőgaz. Járás* Kassa: 16, 295-311 (1943). -- Investigations made in December, 1935 on 21 cows of Hungarian red-spotted type showed that various mammas of udder gave milk of about the same fat content but the right back mamma seemed to give the highest amt. of milk and of highest fat content, the mean difference ranging about 0.29% in fat content. The fat content of morning milk varied 1.35-4.60%, of midday milking 2.55-6.40%, and of evening milk 2.85-6.25%. Mean result of a 5-day expt. were morning 197.43, midday 283.07, and evening 217.04 g. fat yield, the relatively longer night pause produced lower amts. of fat owing to lowered life activity. Colostrum milk contained 5.08% fat av. in a 5-day period. I. F.

ASS-SLA DETALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103310018-4

L 39145-66 EWP(j)/EWP(e)/EWP(t)/ETI IJP(c) RM/WH/WW/JW/JD/JG

ACC NR: AP6030383

SOURCE CODE: HU/0006/66/000/003/0141/0147

AUTHOR: Balla, Janos--Balla, Ya. 46

ORG: Central Physics Research Institute (Kozponti Fizikai Kutato Intezet) B

TITLE: Use of fine-grained perlite for vacuum insulation in the storage of liquid nitrogen 1

SOURCE: Magyar kemikusok lapja, no. 3, 1966, 141-147

TOPIC TAGS: low temperature insulation, liquid nitrogen

ABSTRACT: The large, 1200-liter capacity container built for the storage of liquid nitrogen currently used in connection with research work at the Central Research Institute of Physics, is described. The merits of various thermal insulation systems developed for the storing and handling of low temperature liquids are discussed. The results obtained with fine-grained perlite vacuum insulation applied in the storage tank, as well as the principles of its design, the construction and working experience obtained so far are reported. Orig. art. has: 5 figures and 3 tables. [Based on author's Eng. abst.] [JPRS: 36,645]

SUB CODE: 11 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 001
OTH REF: 008

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Card 1/1

BALLA, Jozsef, okleveles villamosmérnök

Application of inductive heating in the plastics industry.
Villamosság 12 no.10:301-304 0 '64.

BALLA, L.

Experiments for increasing the durability of liquid vaccines
containing live viruses used against hemorrhagic septicemia.
Acta veter Hung 13 no.4:367-375 '63.

1. Staatliches Kontrollinstitut für Veterinarimpfstoffe
(Direktor: E. Simonyi), Budapest.

BALLA, L.

"The cooperation of Czechoslovak and Soviet ore mines."

p. 369 (Rudy) Vol. 5, no. 11, Nov. 1957.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

BALLA, Ladislav, inz.

Problems of new techniques in ore mining in 1962. Rudy 10 no.1:
1-2 Ja '62.

1. Ustav pro vyzkum rud, Praha.

BALLA, Ladislav, inz.

Use of the Torkret concrete and washed filling at the oldest
Austrian copper mine. Rudy 11 no.6:208-211 Je '63.

1. Ustav pro vyzkum rud, Praha.

BALLA, Lajosné

Comparing the effect of manures and fertilizers in an experimental rotation of crops. Agrochem talajtan 12 no.1:21-30 Mr '63.

1. Magyar Tudományos Akadémia Talajtani és Agrochemiai Kutató Intézete, Budapest.